**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L2 | 2900 | DVD and (middle same layer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/18 08:52 |
| L3 | 796 | l2 and @ay<"2004" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/18 08:53 |
| L4 | 351 | l3 and (dummy or null or fill$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/18 08:54 |
| L5 | 855 | DVD and (middle same layer same (area or region)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/18 08:56 |
| L6 | 200 | l5 and @ay<"2004" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/18 08:56 |
| L7 | 91 | l6 and (dummy or null or fill$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/18 08:57 |
| L8 | 764 | l5 not l7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/18 09:04 |
| L9 | 109 | l6 not l7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/12/18 09:04 |
| L10 | 0 | l9 | EPO; JPO; DERWENT | OR | ON | 2009/12/18 09:04 |
| S4 | 10260 | (disc or disk or DVD) same (("l0" and "l1") or ((plural$3 or multi $3) near layer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/27 13:54 |
| S5 | 98 | S4 and stuff$ | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/27 13:56 |

| S6 | 2 | ("7016289" \| "7502285").PN. OR ("7593303").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/10/27 14:03 |
|----|----|----|----|----|----|----|
| S7 | 332 | S4 and ((transit$ or middle) same (fill$3 or shift$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/27 14:18 |
| S8 | 124 | S7 and @ay<"2004" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/27 14:19 |
| S9 | 5013 | S4 and @ay<"2004" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/27 14:38 |
| S10 | 108 | S9 and null | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/27 14:41 |
| S11 | 305 | (disc or disk or DVD) same (("l0" and "l1") or ((plural$3 or multi $3) near layer)) and (align$4 same (transition or middle or switch$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/28 10:12 |
| S12 | 4398 | ((disc or disk or DVD) same layers) and (align $4 same (transition or middle or switch$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/28 10:37 |
| S13 | 4094 | S12 not S11 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/28 10:37 |
| S14 | 19 | S13 and @py<"2005" | EPO; JPO; DERWENT | OR | ON | 2009/10/28 10:37 |
| S15 | 2912 | S12 and @py<"2005" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/28 10:40 |
| S16 | 248 | ((disc or disk or DVD) same layers) and ((null or fill$3 or stuff$3) same shift$3 same (transition or middle or switch$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/28 10:41 |
| S17 | 2 | ("7016289" \| "7502285").PN. OR ("7593303").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/10/28 10:50 |

| S18 | 20 | ("20020024902" \| "20020114245" \| "20020159353" \| "20030033475" \| "20030133369" \| "20030163638" \| "20030223338" \| "20040057366" \| "20040090886" \| "20040133739" \| "20040160875" \| "20040213117" \| "5729525" \| "5881032" \| "5930225" \| "5966721" \| "6072759" \| "6076135" \| "6154806" \| "6456584").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/10/28 10:53 |
|---|---|---|---|---|---|---|
| S19 | 2039 | ((disc or disk or DVD) same layers) and (null or fill$3 or stuff$3) | EPO; JPO; DERWENT | OR | ON | 2009/10/28 10:58 |
| S20 | 1560 | S19 and @py<"2005" | EPO; JPO; DERWENT | OR | ON | 2009/10/28 10:58 |
| S21 | 0 | S20 and h04n$.ipc. | EPO; JPO; DERWENT | OR | ON | 2009/10/28 10:59 |
| S22 | 68 | S20 and (transition or middle or switch$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/28 11:00 |
| S23 | 1 | S20 and (transition or middle or switch$3) and shift$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/28 11:01 |
| S24 | 1093 | ((disc or disk or DVD) same layers) same dummy | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/10/28 13:55 |
| S25 | 166 | ((disc or disk or DVD) same layers) same dummy | EPO; JPO; DERWENT | OR | ON | 2009/10/28 13:55 |
| S26 | 221 | ((disc or disk or DVD) same layers) same (record$ near3 (dummy or null or stuff $3) ) | US-PGPUB; USPAT | OR | ON | 2009/10/28 14:06 |
| S29 | 2514 | (middle near area) and (disc or disk or dvd) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/12/16 07:58 |

| S30 | 1544 | S29 and @ay<"2005" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/12/16 07:58 |
|---|---|---|---|---|---|---|
| S31 | 1 | S30 and ((dummy or null or fill$2) same (middle near area) same shift$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/12/16 08:00 |
| S32 | 14 | ((dummy or null or fill $2) same (middle near area) same shift$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/12/16 08:02 |
| S33 | 90 | S29 and ((middle near area) same shift$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/12/16 08:05 |
| S34 | 2 | ("7016289" \| "7502285").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/16 08:10 |
| S35 | 20 | ("20020024902" \| "20020114245" \| "20020159353" \| "20030033475" \| "20030133369" \| "20030163638" \| "20030223338" \| "20040057366" \| "20040090886" \| "20040133739" \| "20040160875" \| "20040213117" \| "5729525" \| "5881032" \| "5930225" \| "5966721" \| "6072759" \| "6076135" \| "6154806" \| "6456584").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/16 08:23 |
| S36 | 48 | (matoba and hajime). in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/12/16 09:03 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S3 | 28 | H04n$.ipc. and ((gop near2 size) same (trick or fast or speed)) | USPAT; UPAD | OR | ON | 2009/09/30 08:43 |

**12/18/2009 9:28:18 AM**

**C:\ Documents and Settings\ dharvey\ My Documents\ EAST\ Workspaces\ 10-577095.1.wsp**